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cation bill as reported by the Senate civil service committee, which provides for higher salaries for scientific men employed by the government.

THE JOHN SCOTT MEDAL FUND

THE Board of Directors of City Trusts, having charge of the John Scott Medal Fund, has recently awarded the John Scott Medal and Certificate, with premium of \$800, to each of the following, for the inventions named:

William Duane, Ph.D., of Boston, Mass., for "his researches in radio-activity and the physics of radium and of X-rays."

Reginald Aubrey Fessenden, of Chestnut Hill, Mass., for "his invention of a reception scheme for continuous wave telegraphy and telephony."

Elwood Haynes, of Kokomo, Indiana, for "his discoveries in connection with stainless steel, stellite, chrome-iron, etc."

Thomas B. Osborne, Ph.D., of New Haven, Conn., for "his researches on the constitution of the vegetable proteins."

JOHN SCOTT MEDAL FUND

Extract from power of attorney to carry out certain provisions in the will of John Scott. Dated April 2, 1816:

... that the interest and dividends to become receivable ... be laid out in premiums to be distributed among ingenious men and women who make useful inventions; but no one of such premiums to exceed twenty dollars, and along with which shall be given a copper medal with this inscription "To the most deserving," conformably to the tenor of the will of the said testator, John Scott, deceased.

Decree of the Court of Common Pleas of Philadelphia:

And now, this nineteenth day of February, A. D. 1919, the report of the master having been duly filed and no exceptions having been taken thereto, it is adjudged and decreed that the same be confirmed, and that the Board of Directors of City Trusts having in charge the trust created under the will of John Scott, deceased, be authorized and directed in the administration of said fund to distribute the income arising from the fund as it stands with its accumulations as of the date of this decree, in premiums to be distributed among ingenious men and women who make useful inventions, but no one of such premiums to ex-

ceed eight hundred dollars (\$800.00) in value (increased under decree of court, dated November 29, 1921, to \$2,000.00); and along with such premium shall be given a copper medal with this inscription, "To the most deserving" conformably to the tenor of the will of the said testator.

It is further ordered and decreed that in the selection of the recipients, the said trustees shall be at liberty to make such rules and regulations for enabling them to make a wise selection of beneficiaries either by the selection of an advisory board or otherwise, as they may deem best. The premiums shall be awarded for useful inventions which shall include any inventions that will be useful to mankind in the advancement of chemical, medical or any other science or in the development of industry in any form; the test being that the invention is, in the judgment of the trustees, definitely accomplished, and that it may add to the comfort, welfare and happiness of mankind.

Resolution adopted by the Board of Directors of City Trusts:

Resolved, That the award of medals under the John Scott Medal Fund be made hereafter upon the recommendation of an advisory board, to consist of five persons, to be appointed by the Board of Directors of City Trusts; three to be nominated by the National Academy of Sciences, one by the University of Pennsylvania, and one by the American Philosophical Society; all of said nominees to be acceptable to the Board of Directors of City Trusts; the recommendations of the Advisory Board to be made on a majority vote.

Personnel of the Advisory Committee:

National Academy of Sciences: H. H. Donaldson, Theobald Smith, W. B. Scott.

University of Pennsylvania: Arthur W. Goodspeed.

American Philosophical Society: Samuel M. Vauclain.

SCIENTIFIC NOTES AND NEWS

DR. HANS ZINSSER, professor of bacteriology in the College of Physicians and Surgeons, Columbia University, formerly in charge of the sanitary inspection, successively in the first and second army corps, American Expeditionary Forces, was awarded the distinguished service medal at Governors Island, on March 17, for his successful operation of a plan of

military sanitation and epidemic disease control.

THE Fenger Memorial Fund has allotted a grant of \$400 for the extension of work now being carried out by Dr. M. G. Seelig on some uses of magnesium in surgery. This work is being conducted in the surgical laboratories of the Washington University School of Medicine.

THE British Medical Association has awarded its gold medal to Sir T. Clifford Allbutt, regius professor of physic in the University of Cambridge, for his distinguished services to the profession and the association, and in commemoration of his five years' presidency of the association in the time of the war.

THE Founder's Medal of the Royal Geographic Society has been awarded to Colonel Howard Bury, the leader of last year's Everest expedition, as a token of appreciation for what the society considers the most noticeable geographic achievement in the last twelve months. The presentation was made by Sir Francis Younghusband, president of the society.

THE Society of Sigma Xi of the University of Iowa has elected to membership Dr. L. Wallace Dean, dean of the college of medicine; Dr. Samuel T. Orton, head of the psychopathic hospital; Lorle I. Stecher of the Iowa Child Welfare Research Station; Clarence W. Hewlett and Edward O. Hulbert, assistant professors of physics. Walter S. Hendrixson, professor of chemistry at Grinnell College, and William Harmon Norton, professor of geology at Cornell College, are initiates from other institutions.

DR. VICTOR F. HESS, technical director of the United States Radium Corporation, has been appointed consulting physicist of the United States Bureau of Mines.

WILLIAM H. RHODES, JR., who has been senior highway engineer, U. S. Bureau of Public Roads, has accepted the position of maintenance engineer with the Louisiana Highway Commission.

DR. W. J. HUMPHREYS writes that on page 312 of SCIENCE for March 24, it is stated through an error that got into the rough min-

utes that N. L. Bowen will be the new secretary of the Geodetic Section of the American Geophysical Union. Wm. Bowie, the present secretary of the section, will continue to hold that office.

DR. F. F. RUSSELL and Dr. Richard M. Pearce have arrived in South America to promote the work of the Rockefeller Foundation.

JOHN R. FREEMAN, JR., returned recently to the Bureau of Standards from a seven months' trip to Europe, where he visited, for the Bureau of Standards, the principal metallurgical laboratories of France, Germany and England. While in England he worked for about two months in the metallurgical department of the National Physical Laboratories under Dr. Walter Rosenhain.

DR. RAYMOND PEARL, professor of biometry and vital statistics at the Johns Hopkins School of Hygiene and Public Health, will deliver the ninth Harvey Society lecture at the New York Academy of Medicine, on Saturday evening, April 8. His subject will be "The interrelations of the biometric and experimental methods of acquiring knowledge, with special reference to the problems of the duration of life." The lecture on March 25 was given by Dr. W. J. V. Osterhout, professor of botany in Harvard University, on "The mechanism of injury, recovery and death."

PROFESSOR EDWARD S. MORSE, curator of the Peabody Academy of Science, gave a lecture at the Buckingham School, Cambridge, on March 25, on "Some experiences of a collector."

PROFESSOR EDWARD KASNER, of Columbia University, spoke on "Dimensionality in Einstein's cosmological theories," at Princeton University on March 14.

DR. F. W. ASTON, F.R.S., of Cambridge University, addressed the Physical Colloquium of the Western Electric Company in New York on March 13 on the subject, "Isotopes."

DR. THOMAS LEWIS, of London, will deliver the seventh Mellon lecture before the Society of Experimental Biology of the School of Medicine of the University of Pittsburgh, on "Clinical electrocardiography," on May 8.

THE Guthrie lecture of the Physical Society was given on March 24 at the Imperial College of Science, by Professor N. Bohr, who took as his subject, "The effect of electric and magnetic fields on spectral lines."

SIR ERNEST RUTHERFORD will deliver a lecture on the "Evolution of the Elements" before the Royal Institution on April 7. Recent lectures before the institution include one by Thomas R. Merton on the "Problems in the variability of spectra," and one by A. P. Laurie on "The pigments and mediums of the old Masters."

The John M. Dodson lecture of the Rush Medical College, established by the alumni in 1919 in recognition of Dr. Dodson's service to the college, was delivered on March 17 by Dr. Ray Lyman Wilbur, president of Stanford University, whose subject was: "Medicine: a look ahead."

As a memorial to Alfred Noble in recognition of his distinguished achievements in the field of engineering, a bronze tablet, the gift of the American Institute of Consulting Engineers, was unveiled on March 15 in the Engineering Societies Building, New York. Charles W. Leavitt, consulting engineer, made the address of presentation and J. Davies, consulting engineer, accepted the memorial in behalf of the United Engineering Society.

IT is proposed to appoint a committee for the purpose of collecting the necessary funds with which to erect a monument to Professor Chauveau, who died in January, 1917. M. Chauveau was formerly president of the Paris Academy of Sciences, the Academy of Medicine, the Society of Biology and the French Association for the Advancement of Science.

THE balance of the Rayleigh Memorial Fund has been given to the library of the Cavendish Laboratory. The library is to be called the Rayleigh Library. Six hundred pounds is to be separately invested in the Rayleigh Library endowment fund for experimental physics, and the income accruing is to be paid to the Cavendish professor for the purposes of the library.

THE *Journal* of the American Medical Association states that the tenth anniversary of the

death of Lister brings within view the completion of a scheme to honor his memory. Soon after his death the question of a memorial was taken up, but the war prevented its being carried out. A representative committee was appointed, and collected \$60,000, which was subscribed from all over the world. Out of this has been established the International Lister Fund for the Advancement of Surgery. A sum of \$2,500, with a bronze medal, will be awarded every three years, irrespective of nationality, in recognition of distinguished contributions to surgery, the recipient being required to give an address in London under the auspices of the Royal College of Surgeons. Sir Thomas Brock, the sculptor, has executed a memorial tablet to Lister, which was unveiled in Westminster Abbey in 1915. He is at present engaged in designing a bronze bust to be mounted on a pedestal in Portland Place, near Lister's last home. The bust and pedestal will stand about 21 feet high.

THE death is reported at Charleston, S. C., of Captain William C. Hodgkins of the Boston field station of the United States Coast and Geodetic Survey, at the age of sixty-eight years.

PHILIP ARGALL, mining engineer, an authority on metallurgy, died in Denver, on March 19, at the age of sixty-eight years.

THE annual meeting of the American Oil Chemists' Society will be held at the Grunewald Hotel, New Orleans, on May 8 and 9. A large attendance is anticipated and arrangements are being made for entertainment, as well as the usual program of business.

ESTABLISHMENT of fellowships in medicine to increase the supply of qualified teachers and investigators, is announced by the National Research Council. The fellowships, supported by appropriations of the Rockefeller Foundation and the General Education Board, will be open to Americans or Canadians of either sex holding or qualified to hold degrees of doctor of medicine or doctor of philosophy from approved universities. The appropriations are \$100,000 a year for five years. Successful candidates, to be known as Fellows in Medicine of the National Research Council, will be at

liberty to choose the institutions or universities in which they will work. The fellowships in medicine are similar to the fellowships in physics and chemistry established under the same auspices.

THE triennial competition for the prize known as the George Montefiore Foundation, which was won last year by Dr. J. B. Whitehead of the Johns Hopkins University, is again announced by the Association des Ingénieurs Electriciens sortis de l'Institut Electrotechnique Montefiore, of which L. Calmeau, rue Saint-Gilles, 51, Liège, Belgium, is general secretary. This prize, amounting to 21,000 francs, is awarded for the best original work in French or English, upon the scientific advance of electricity and its technical applications. Though known as the competition of 1920, the next award will be made in 1923, and works may be submitted up to April 30 of next year.

THE annual conversazione of the British Institution of Electrical Engineers will be held at the Natural History Museum, London, on June 29.

THE British Iron and Steel Institute will hold its annual meeting on May 4 and 5 at the house of the Institution of Civil Engineers, Great George Street, S. W. 1, London.

THE twentieth International Congress of Americanists is to meet definitely at Rio de Janeiro on August 20-30, 1922, under the Presidency of Dr. Lauro Muller.

THE second meeting of the informal group known as the "Boston Psychologists" was held at Wellesley College on Saturday, March 18. At the afternoon session questions of laboratory policy and the place of mental tests in systematic psychology were discussed. The dinner was followed by a toast to Professor Sanford, of Clark University, in recognition of his return to an active part in psychology. The subject for special discussion at the evening session was the status of the practicing and consulting psychologist. Twenty-five psychologists from many of the New England colleges and universities attended the meetings. The first gathering of the group took place at Harvard University last November. The invitation

to hold the next meeting at Clark University next fall was accepted.

THE Council of the Optical Society of America has decided to hold an optical instrument exhibit during the annual meeting of the society at the Bureau of Standards, Washington, D. C., the latter part of October next. The director of the bureau has offered the necessary space for this exhibit. To enable the exhibit committee to plan the space adequately and assign it equitably, it requests those interested to submit the following information: (1) What instruments are offered for exhibition? (2) How much floor space would be necessary? (3) What additional facilities other than space will be needed? When this information is at hand the exhibit committee will notify the prospective exhibitors of the amount of space allotted to them. It will also see that the general laboratory facilities necessary are provided. The exhibitors will install their own exhibits and meet the expenses incident thereto.

A SMALL party of scientific men from the University of Iowa will visit islands in the Polynesian group next summer in order to obtain material for the university's laboratories and museums of natural history. Included in the group will be Professor C. C. Nutting, head of the department of zoology; Professor R. B. Wylie, head of the department of botany; Professor A. O. Thomas, geologist; Professor Dayton Stoner, entomologist and ornithologist, and Waldo S. Glock, meteorologist and photographer. In the interest of economy as well as for the sake of securing better specimens for student use, the University of Iowa for many years has maintained the policy of granting leave of absence to its men in search of such material instead of buying from dealers.

UNIVERSITY AND EDUCATIONAL NOTES

A CONTRACT has been let for a new medical building at the University of Alabama, Tuscaloosa, at a cost of \$82,000. Construction work will be started immediately.

THE University of Strasbourg has recently made a report in which it is stated that in the